

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	954	166/380.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 13:02
L4	326	166/277.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 13:02
S1	2664	(wellbore or borehole) and (tubing or tubular) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 17:59
S2	252	S1 and (radial adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 15:48
S3	95	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "2383214"   "2499630"   "2627891"   "2663073"   "2898971"   "3087546"   "3195646"   "3467180"   "3818734"   "3911707"   "4069573"   "4127168"   "4159564"   "4288082"   "4324407"   "4429620"   "4531581"   "4588030"   "4697640"   "4848469"   "5271472"   "5303772"   "5409059"   "5435400"   "5472057"   "5560426"   "5685369"   "5743335"   "5901787"   "5918674"   "6021850"   "6070671"   "6098717"   "6325148").PN. OR ("6550539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 11:37
S4	20	("1750628"   "1848404"   "2168017"   "4040495"   "4190123"   "4365678"   "4465146"   "4880066"   "4958692"   "5033558").PN. OR ("5649603").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 11:51

## EAST Search History

S5	115	S3 S4	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 11:51
S6	637	"166"/\$.ccls. and ((tubing or tubular) with collapse)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 11:52
S7	89	"166"/\$.ccls. and ((tubing or tubular) with collapse) and (radial adj force)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 13:59
S8	99	(tubing or tubular) and (collapse with resistan\$4) and (wellbore or borehole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 14:00
S9	58	(tubing or tubular) and (collapse adj resistan\$4) and (wellbore or borehole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 14:00
S10	1	(tubing or tubular) and (collapse-resistan\$4) and (wellbore or borehole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 14:00
S11	58	S9 S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 14:00
S12	114	("2499630").URPN.	USPAT	OR	ON	2007/05/29 14:02
S13	0	("7191842").URPN.	USPAT	OR	ON	2007/05/29 14:23

## EAST Search History

S14	37	("1233888"   "1301285"   "20020046840"   "20020107562"   "20030234111"   "2812025"   "3179168"   "3203451"   "3353599"   "3389752"   "3489220"   "5348095"   "5366012"   "5377823"   "5449382"   "5667011"   "5901789"   "6022371"   "6029748"   "6065500"   "6112818"   "6253850"   "6261318"   "6263966"   "6263972"   "6478092"   "6488702"   "6540777"   "6964680").PN. OR ("7191842"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 14:23
S15	37	("1233888"   "1301285"   "20020046840"   "20020107562"   "20030234111"   "2812025"   "3179168"   "3203451"   "3353599"   "3389752"   "3489220"   "5348095"   "5366012"   "5377823"   "5449382"   "5667011"   "5901789"   "6022371"   "6029748"   "6065500"   "6112818"   "6253850"   "6261318"   "6263966"   "6263972"   "6478092"   "6488702"   "6540777"   "6964680").PN. OR ("7191842"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 15:42

## EAST Search History

S16	255	("0761518"   "0958517"   "0988054"   "1301285"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1880218"   "1930825"   "1981525"   "2017451"   "2214226"   "2383214"   "2424878"   "2499630"   "2519116"   "2575938"   "2627891"   "2633374"   "2663073"   "2767766"   "2898971"   "3028915"   "3039530"   "3087546"   "3167122"   "3179168"   "3186485"   "3191677"   "3191680"   "3203451"   "3203483"   "3245471"   "3297092"   "3326293"   "3353599"   "3354955"   "3412565"   "3467180"   "3477506"   "3489220"   "3583200"   "3669190"   "3689113"   "3691624"   "3712376"   "3746091"   "3776307"   "3780562"   "3785193"   "3818734"   "3820370"   "3911707"   "3948321"   "3977076"   "4069573"   "4127168"   "4159564"   "4288082"   "4319393"   "4324407"   "4349050"   "4359889"   "4362324"   "4382379"   "4387502"   "4407150"   "4414739"   "4429620"   "4445201"   "4450612"   "4470280"   "4483399"   "4487630"   "4502308"   "4505142"   "4505612"   "4531581"   "4567631"   "4581617"   "4588030"   "4626129"   "4697640"   "4807704"   "4830109"   "4866966"   "4883121"   "4976322"   "4997320"   "5014779"   "5052483"   "5052849"   "5156209"   "5267613"   "5271472"   "5301760"   "5307879"   "5322127"   "5348095"   "5366012"   "5409059"   "5435400"   "5472057"   "5520255"   "5553679"   "5560426"   "5636661"   "5667011"   "5685369"   "5706905"   "5785120"   "5887668"   "5901787"   "5901789"   "5924745"   "5960895"   "5979571"   "6029748"   "6070671"   "6098717").PN. OR ("6527049").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/29 16:23
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## EAST Search History

S17	4	"2575938".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 17:59
S18	2	"4262518".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 17:59
S19	2	"6571870".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 18:00
S20	8	S17 S18 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/29 18:00
S21	15	(US-20030141079-\$ or US-20030075337-\$ or US-20020195252-\$ or US-20020079100-\$).did. or (US-6550539-\$ or US-5649603-\$ or US-3818734-\$ or US-2898971-\$ or US-2499630-\$ or US-6585043-\$ or US-6695063-\$ or US-6662876-\$ or US-6629567-\$ or US-6527049-\$ or US-6446323-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/29 18:02
S22	7	S21 and collapse	US-PGPUB; USPAT	OR	ON	2007/05/29 18:02

## EAST Search History

S23	76	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "2383214"   "2499630"   "2627891"   "2663073"   "2898971"   "3087546"   "3195646"   "3203483"   "3467180"   "3818734"   "3911707"   "4069573"   "4127168"   "4159564"   "4288082"   "4324407"   "4429620"   "4531581"   "4588030"   "4697640"   "4848469"   "4936383"   "5271472"   "5409059"   "5435400"   "5472057"   "5560426"   "5685369"   "5794702"   "5833001"   "5901787"   "5901789"   "5954136"   "6021850"   "6098717"   "6189616").PN. OR ("6662876"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/30 17:43
S24	15	(US-20020079100-\$ or US-20030075337-\$ or US-20020195252-\$ or US-20030141079-\$).did. or (US-3818734-\$ or US-6550539-\$ or US-2499630-\$ or US-2898971-\$ or US-6585043-\$ or US-5649603-\$ or US-6695063-\$ or US-6629567-\$ or US-6527049-\$ or US-6446323-\$ or US-6662876-\$).did.	US-PGPUB; USPAT	OR	ON	2007/06/01 11:37
S25	1	S24 and cone and swage	US-PGPUB; USPAT	OR	ON	2007/06/01 11:50
S26	0	S24 and (cone-swage)	US-PGPUB; USPAT	OR	ON	2007/06/01 11:45
S27	1	S24 and swage	US-PGPUB; USPAT	OR	ON	2007/06/01 11:59
S28	15	(borehole or wellbore) and ((cone near3 swage) or cone-swage) and expander	US-PGPUB; USPAT	OR	ON	2007/06/01 12:04
S29	29	(borehole or wellbore) and ((cone near3 swage) or cone-swage) and expand\$3	US-PGPUB; USPAT	OR	ON	2007/06/01 12:04